

SP-350K-HB1

SP Series String Inverter



Safe and Reliable

- IP66 protection and C5 anti-corrosion rating
- Type II SPD, for both DC and AC sides
- Accurate string current detection



User-Friendly Design

- Fuseless design with built-in smart switch-disconnectors
- Optional PLC/RS485 communication
- Precaution and recovery function of PID



High Yield

- Compatible with bifacial PV modules
- Maximum efficiency of 99%, Euro efficiency of 98.8%
- DC/AC ratio up to 1.8

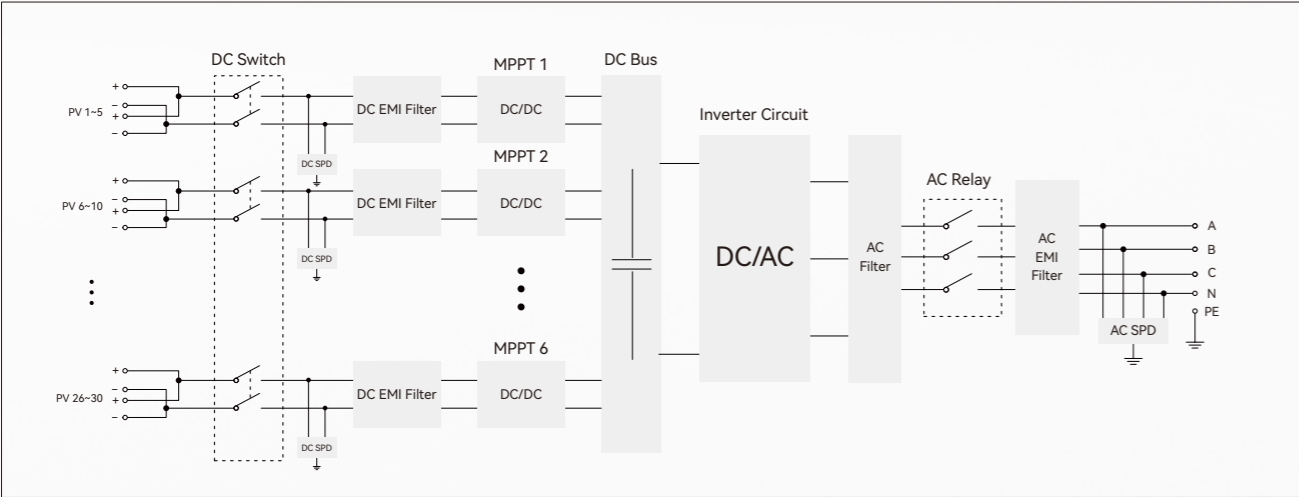


Strong Grid Adaptability

- Supports both LVRT and HVRT functions
- Realize active and reactive power control
- Compatible with both Al and Cu AC cables



Circuit Diagram



Model		SP-350K-HB1
Input (DC)		
Max. PV input voltage		1500V
MPPT Max. input current		75A*6
Rated input voltage		1080V
MPP voltage range		500~1500V
MPP voltage range for nominal power		860~1300V
Number of MPPT trackers		6
Max. number of PV strings		30
Output (AC)		
AC output power		352kW@30°C/320kW@40°C
Max. output power		352kW
Rated grid voltage		800V
Grid voltage range		640~920V
Max. output current		254A
Rated grid frequency/range		50Hz/45~55Hz, 60Hz/55~65Hz
Output current harmonic (at nominal power)		<3%
Power factor at nominal power/range		>0.99/0.8leading to 0.8lagging
Protection		
DC reverse connection protection		Yes
Over voltage protection		DC Type II/AC Type II
Leakage current protection		Yes
Grid monitoring		Yes
Insulation monitoring		Yes
Anti-island protection		Yes
Efficiency		
Max. efficiency		99.0%
EU efficiency		98.8%
General Data		
Isolation method		Transformerless
Self-consuming in night		<3.5W
Protection level		IP66
Temperature		-30°C ~ +60°C
Allowed humidity (non condensing)		0~100%
Cooling mode		Temperature controlled forced air cooling
Max. operating altitude		5000m
Communication port		Standard: PLC, Optional: RS485
Certificates and approvals (more available on request)		CE,IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000
Dimensions (W×H×D)		1317×735×403mm
Weight		135kg